Technical Data Sheet

www.silfluosilicone.com

Silfluo LF-CM12 Series

Hydroxyalkyl-Terminated Silicone Fluids

Description:

Silfluo LF-CM12 fluids are silicone diols with hydroxyalkyl functionality at both chain ends. The organic hydroxyl groups provide reactive sites for resin modification; they are distinct from silanol groups directly bonded to silicon.
Performance equivalent to Shin-Etsu KF-6001 / KF-6002 and Evonik TEGO-5000 / TEGO-5001.

Typical Physical Properties

Silfluo Code	LF-CM12-1300	LF-CM12-2000	LF-CM12-4000
Appearance	Colorless transparent liquid		
Molecular Weight (g/mol)	1300	2000	4000
Hydroxyl Value (mg KOH/g)	80	56	28
Kinematic Viscosity (25°C, cSt)	37	58	105

Applications:

1. Polyurethane modification
Used as reactive silicone diols in polyurethane formulations to introduce silicone segments through reaction with isocyanate groups.
2. Polyester and coating resin modification
Used in hydroxyl-reactive resin systems to improve processing flow and low-temperature flexibility.
3. Easy-clean and anti-blocking coatings
Used as reactive modifiers for coating formulations requiring stain resistance, anti-graffiti properties and reduced blocking.

Packing

25 kg or 200 kg plastic drums, 200 kg plastic-lined steel drums, and 1000 L IBCs.

Safety and Storage

Shelf life: 12 months from the date of manufacture in original unopened containers at room temperature.
Transport as non-dangerous goods.

Nanjing Silfluo New Material Co., Ltd.
Web: www.silfluosilicone.com Email: inquiry@silfluo.com

The offered information of this docs is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are fully satisfactory for end use. Suggestions of use shall not be taken as inducements to infringe any patent. Please confirm with us prior to any problems.